

Claims

1. A component (1) of an adjustment mechanism for a vehicle roof of a convertible, designed to be adjustable between a first position and a second position, which is exposed to alternating loads as a function of its position and is topologically and/or topographically designed for the loads acting on component (1) for a predefined design space, so
5 that a uniform stress distribution is at least approximately present in component (1), at least in critical load situations, and the component (1) is designed in the areas with limited load with less use of material than in the areas with higher load, or with a recess (2).
2. A component according to Claim 1,
characterized in that a reinforcing part (5; 5A; 5B) is arranged at least in an area with lower material use or in an area of a recess (2).
3. A component according to Claim 1,
characterized in that a reinforcing part (5; 5A; 5B) is designed, at least partially, as an element firmly connected to a wall of component (1).
4. A component according to Claim 1,
characterized in that the component is designed as a cast part.
5. A component according to Claim 1,
characterized in that the component is designed as a milled part.
6. A component according to Claim 1,
characterized in that the component is produced from an aluminum or magnesium alloy.
7. A component according to Claim 1,
characterized in that that the component is designed as a sheet-metal part.

8. A component according to Claim 7,
characterized in that the sheet-metal part is produced from steel.

9. A component according to Claim 7,
characterized in that the component (1) is designed as a single part produced by
sheet deformation, which is preferably designed with an open profile and is formed with a
topology and/or topography adapted to the loads.

10. A component according to Claim 7,
characterized in that the sheet-metal part (1) is produced from two or more
individual parts (1A, 1B) connected to each other.

11. A component according to Claim 1,
characterized in that the component (1) consists of several individual parts (1A,
1B) connected to each other, preferably welded, which form a closed profile, at least in some
areas, each of the individual parts (1A, 1B) being designed for a topology and/or topography
5 adapted to the loads.

12. A component according to Claim 1,
characterized in that the reinforcing part includes a flange edge (3)
surrounding a recess (2).